

FIG. 1

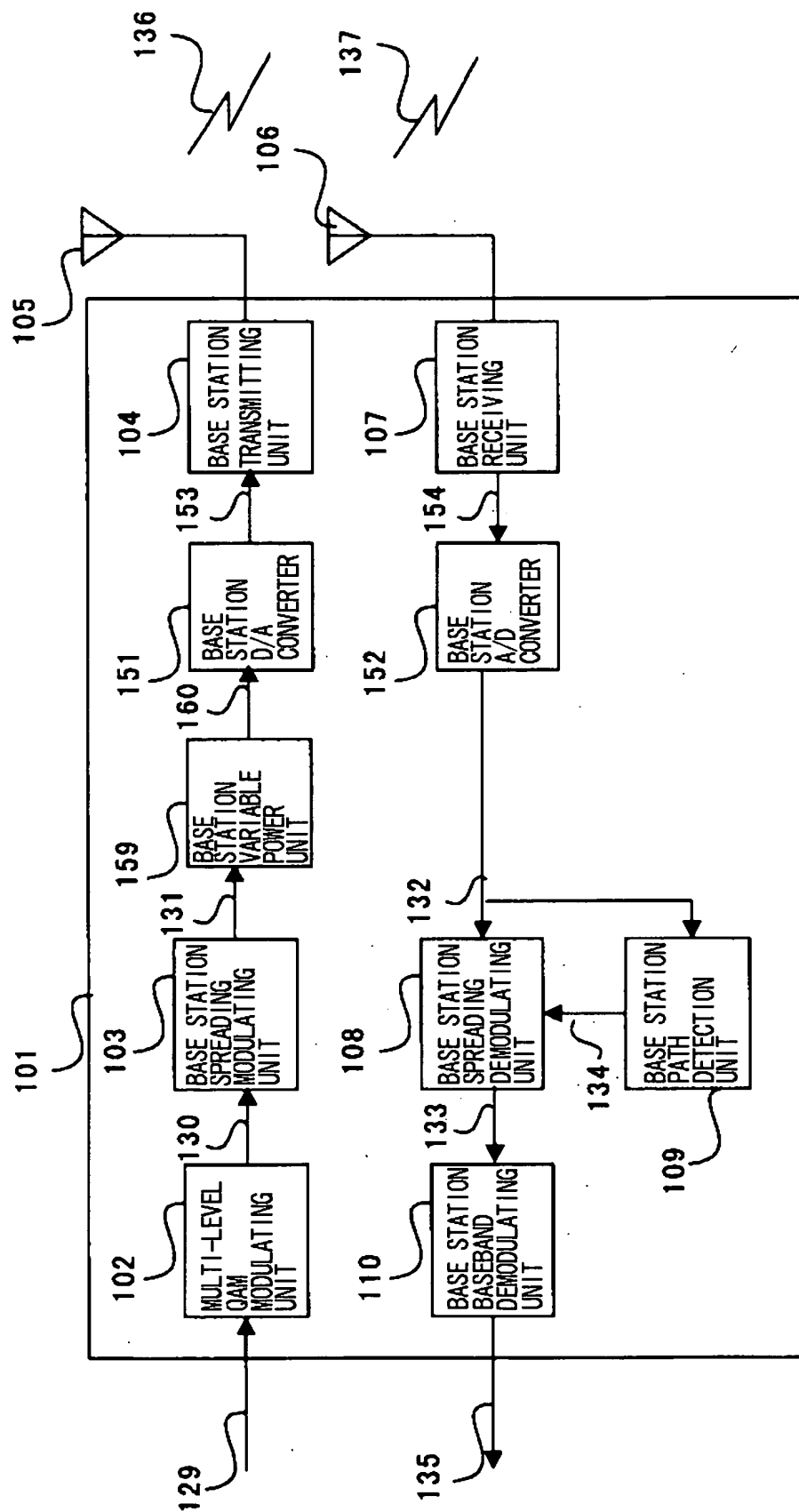


FIG. 2

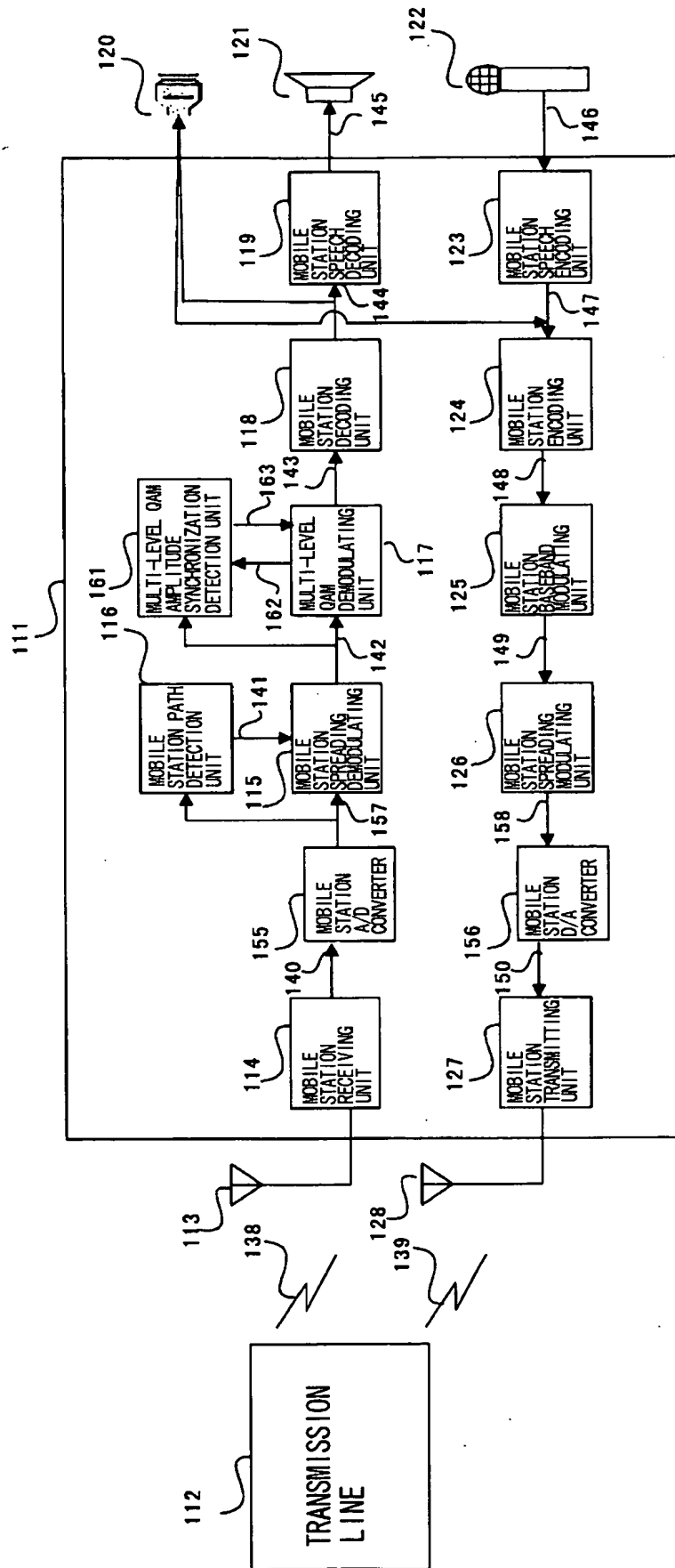


FIG. 3

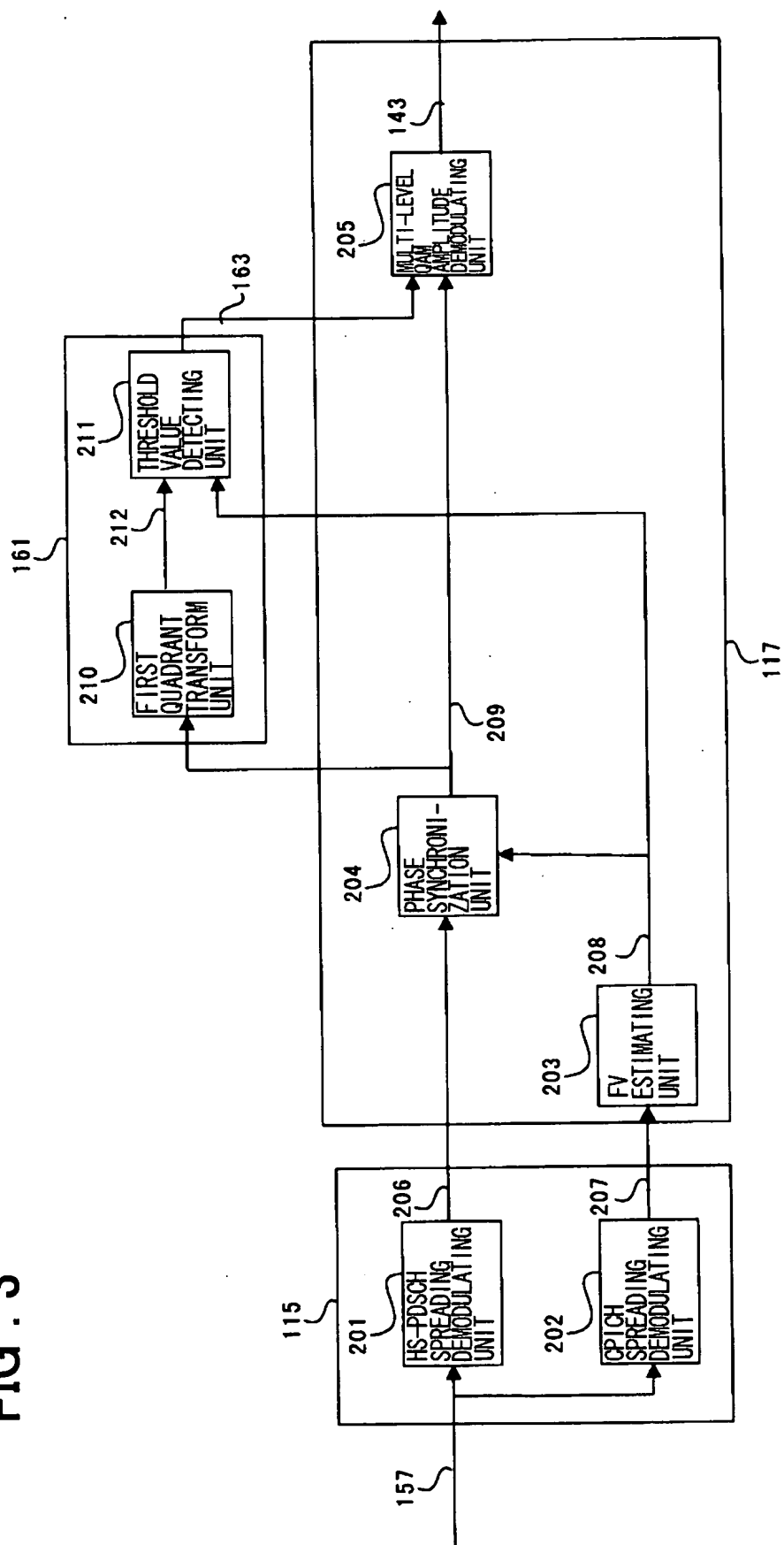


FIG . 4A

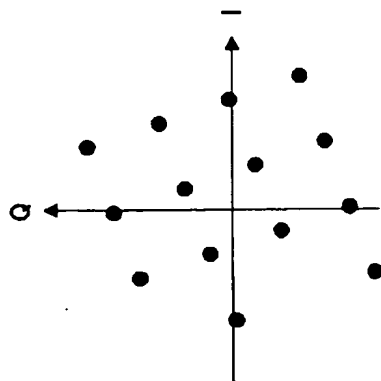


FIG . 4C

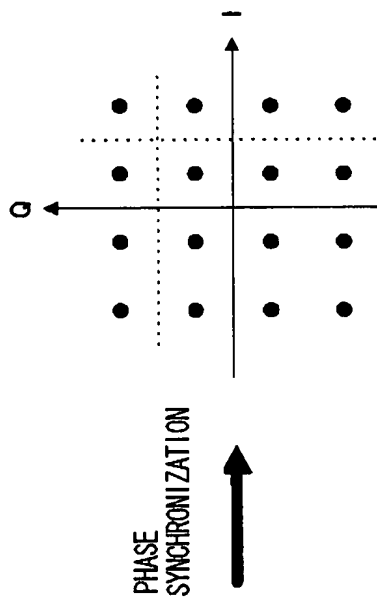


FIG . 4D

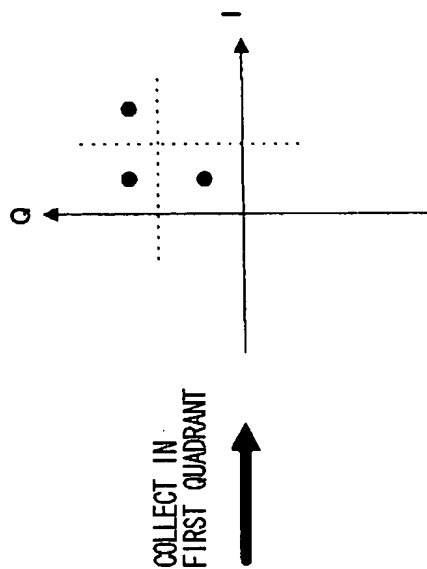
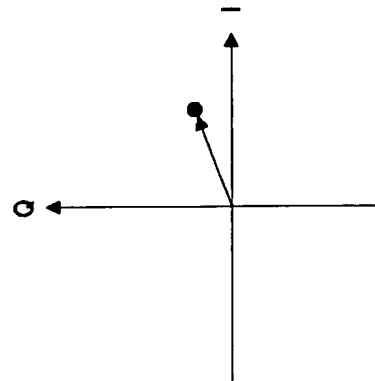


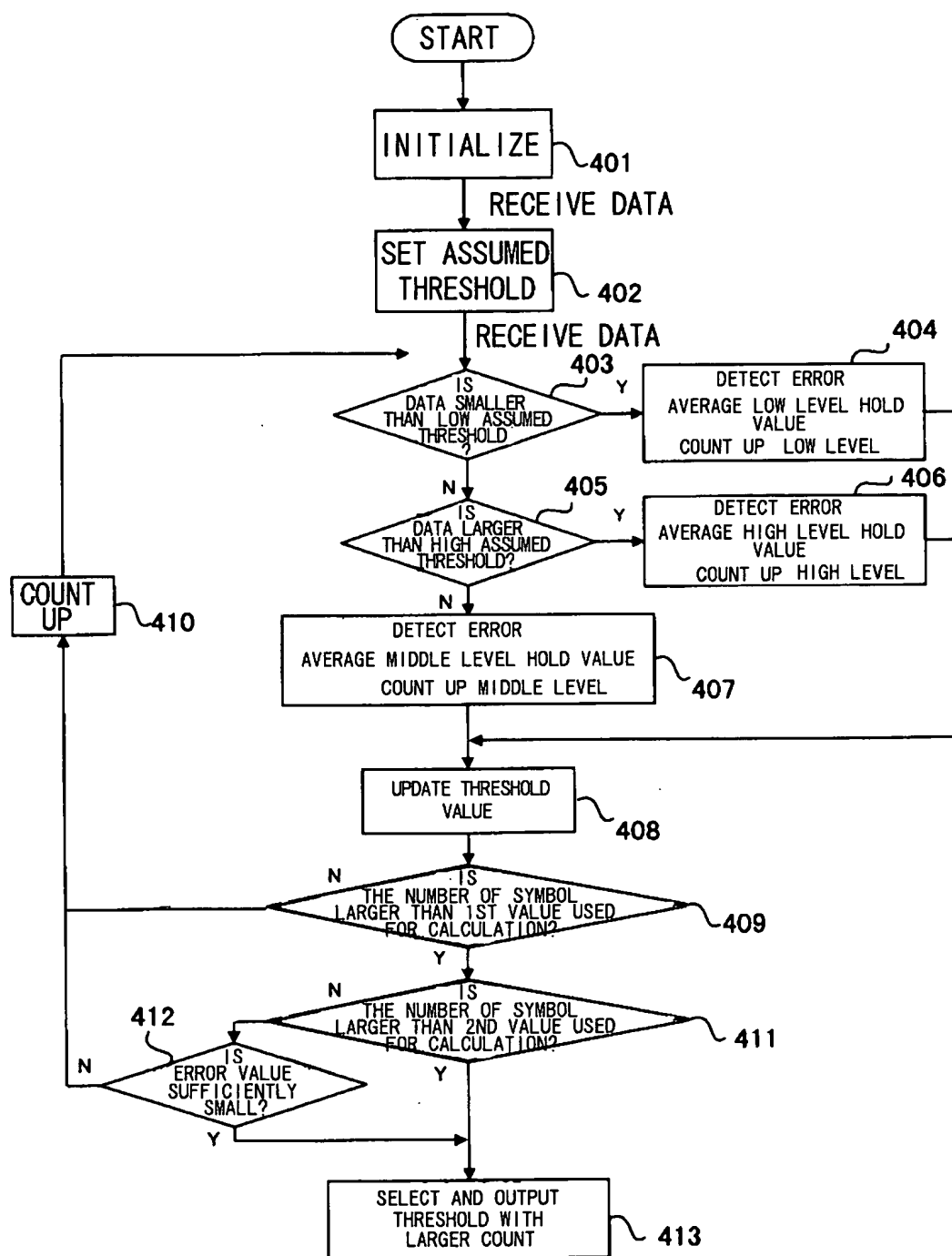
FIG . 4B



COLLECT IN
FIRST QUADRANT

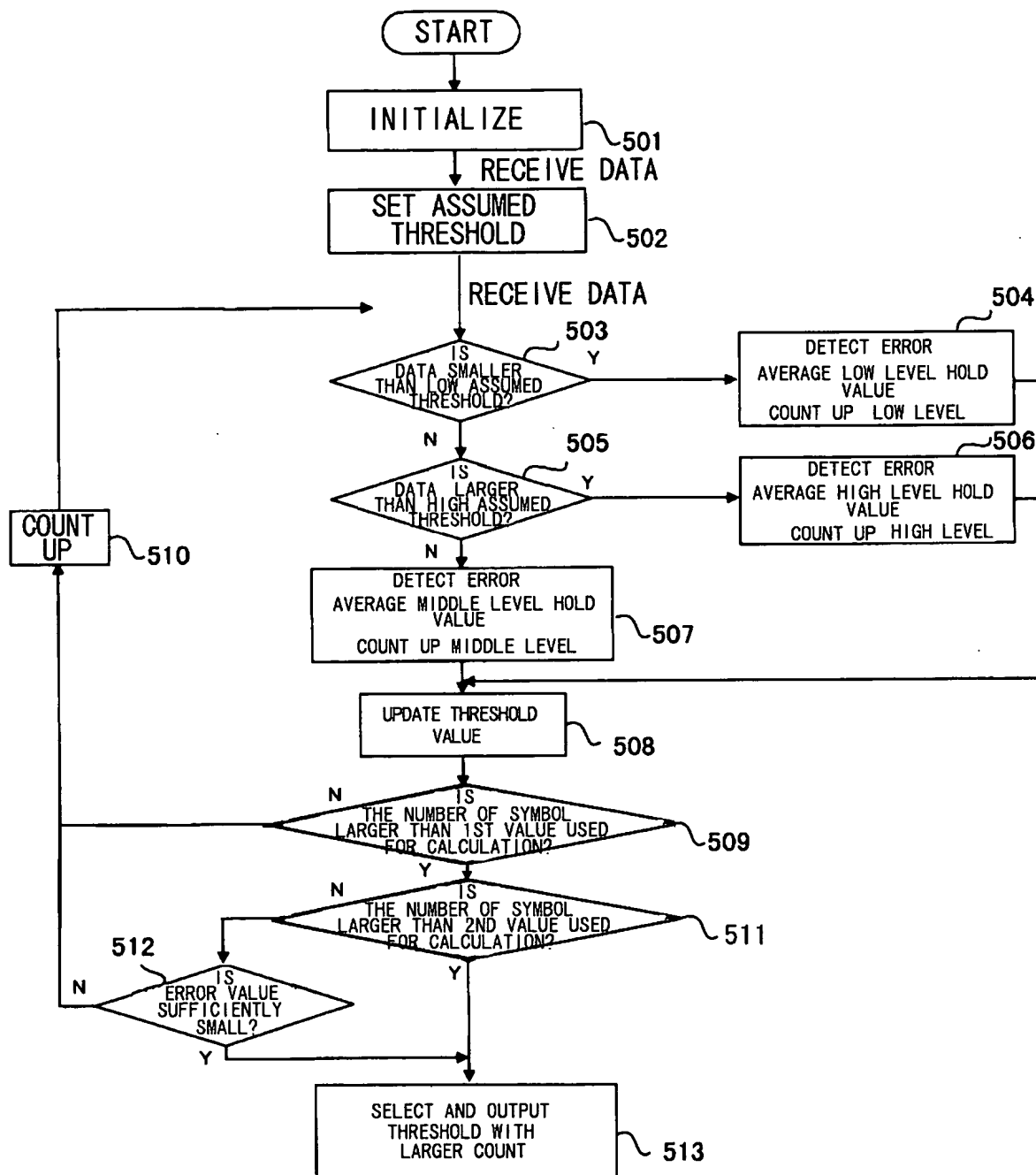
PHASE
SYNCHRONIZATION

FIG. 5



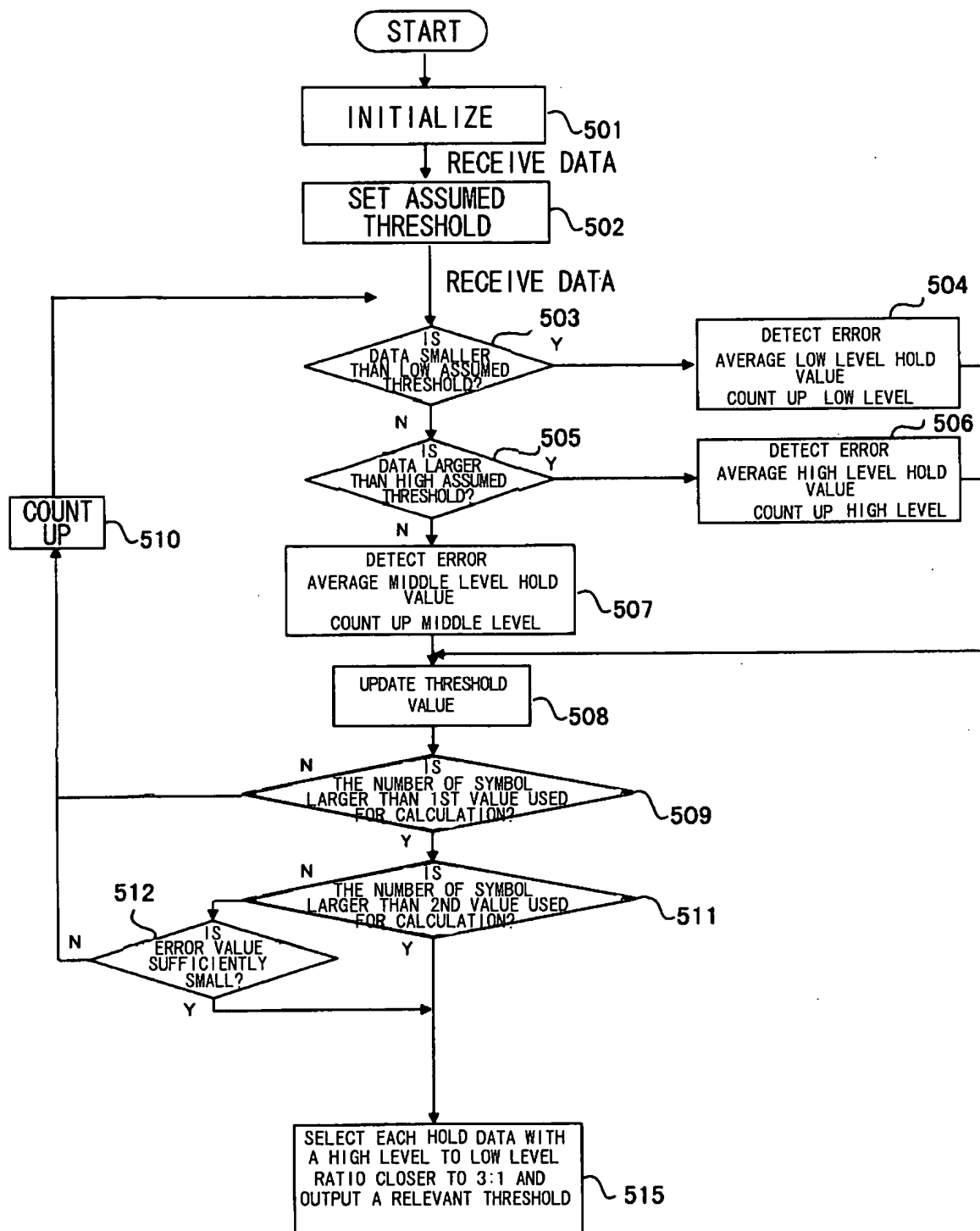
OUTPUT: THRESHOLD COEFFICIENT;
ABSOLUTE THRESHOLD VAULE

FIG . 6



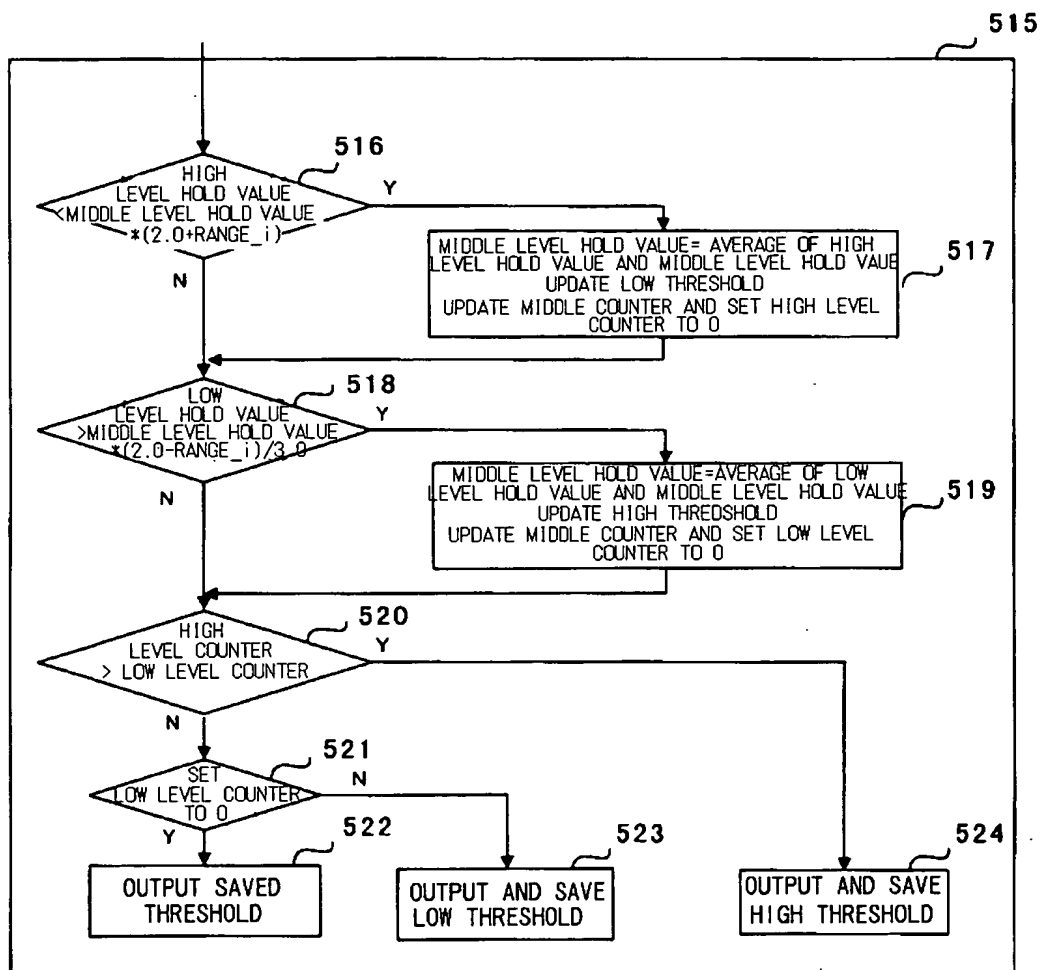
OUTPUT: ABSOLUTE THRESHOLD VALUES FOR I-AXIS
ABSOLUTE THRESHOLD VALUES FOR Q-AXIS

FIG. 7



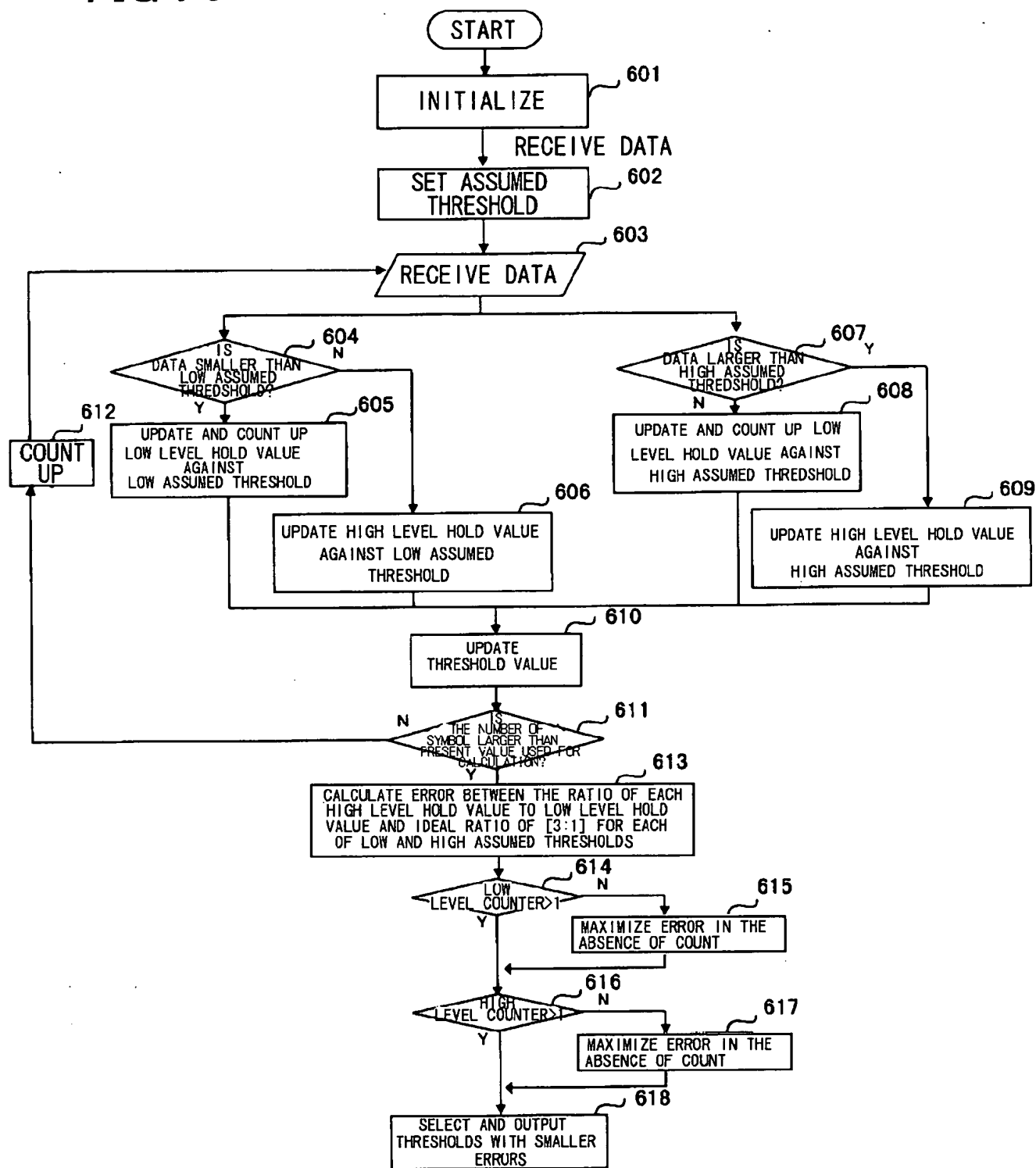
OUTPUT: ABSOLUTE THRESHOLD VALUES FOR I-AXIS
ABSOLUTE THRESHOLD VALUES FOR Q-AXIS

FIG. 8



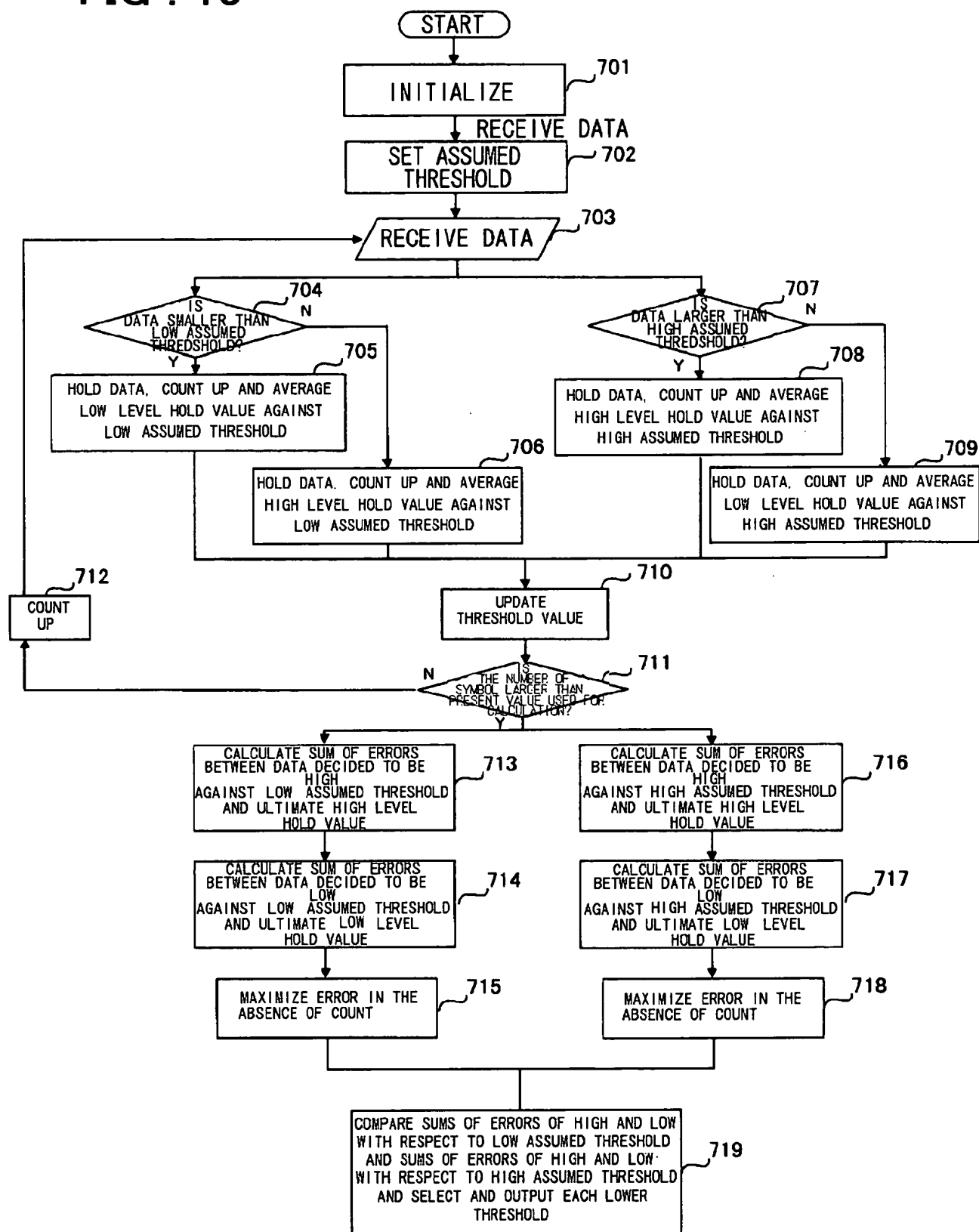
OUTPUT: ABSOLUTE THRESHOLD VALUES FOR I-AXIS
 OUTPUT: ABSOLUTE THRESHOLD VALUES FOR Q-AXIS

FIG. 9



OUTPUT: ABSOLUTE THRESHOLD VALUES FOR I-AXIS
 OUTPUT: ABSOLUTE THRESHOLD VALUES FOR Q-AXIS

FIG. 10



OUTPUT: ABSOLUTE THRESHOLD VALUES FOR I-AXIS
 OUTPUT: ABSOLUTE THRESHOLD VALUES FOR Q-AXIS

FIG . 11A

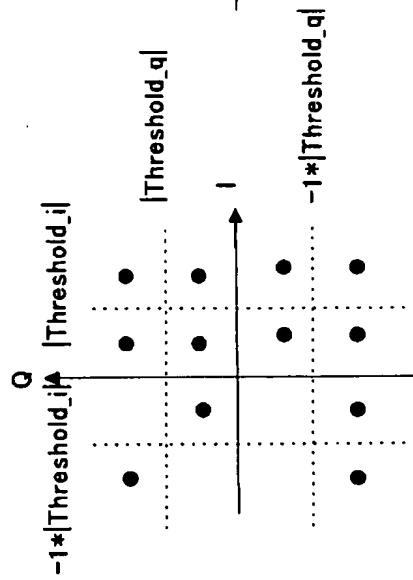


FIG . 11B

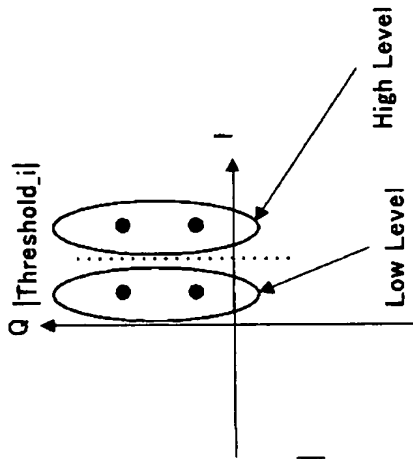


FIG . 11C

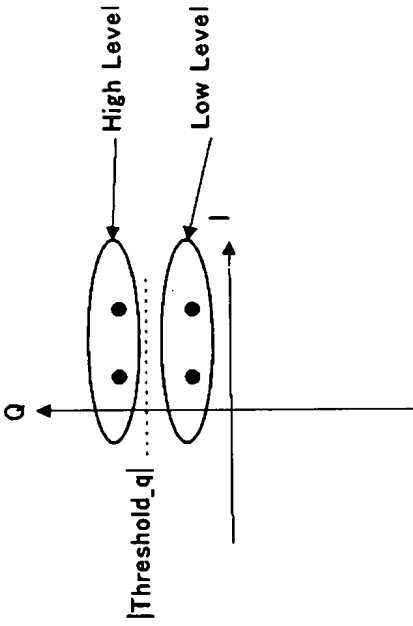


FIG . 12A FIG . 12B FIG . 12C

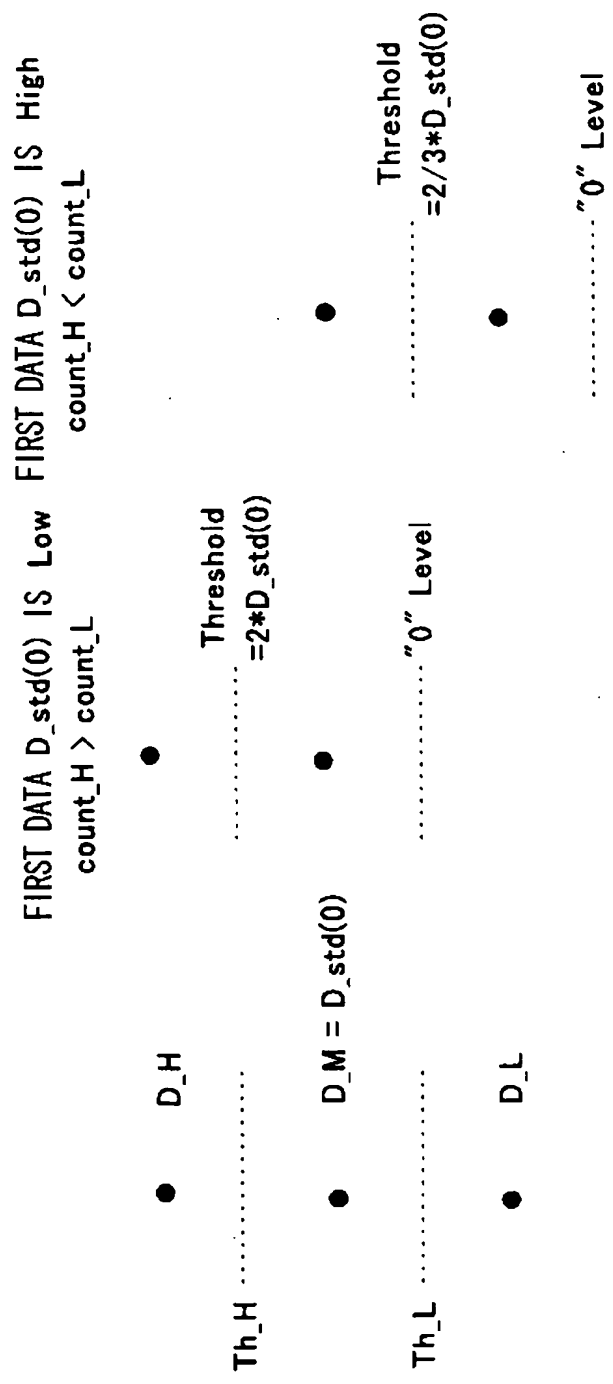
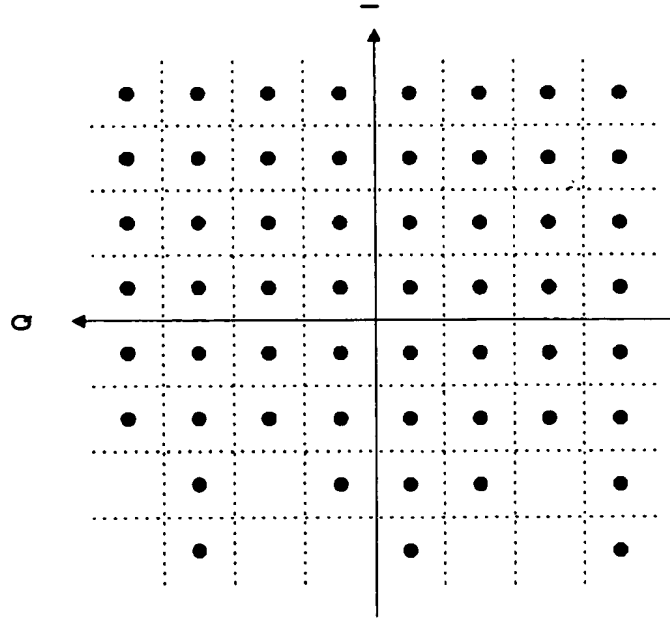


FIG . 13A



COLLECT IN
FIRST QUADRANT



FIG . 13B

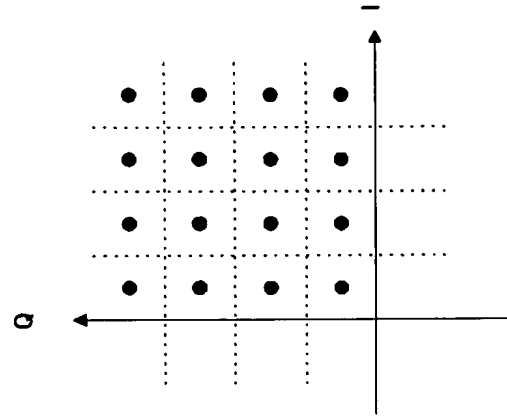


FIG . 13C

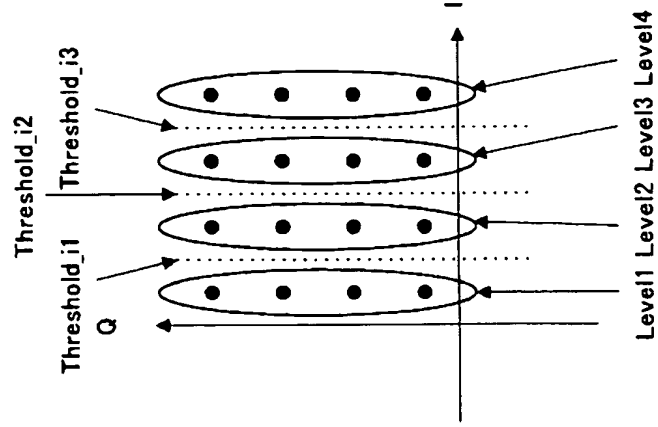


FIG. 14

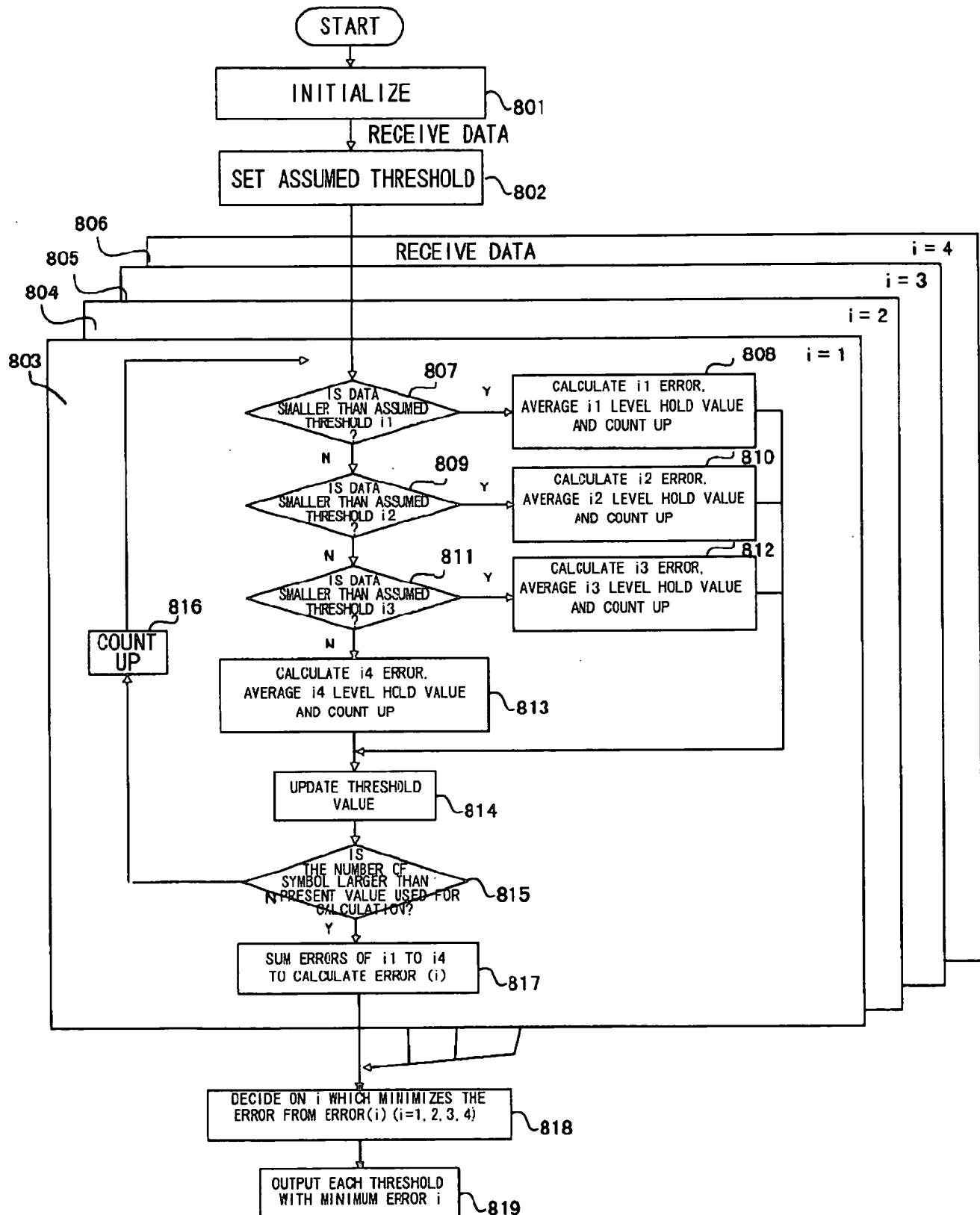


FIG. 15

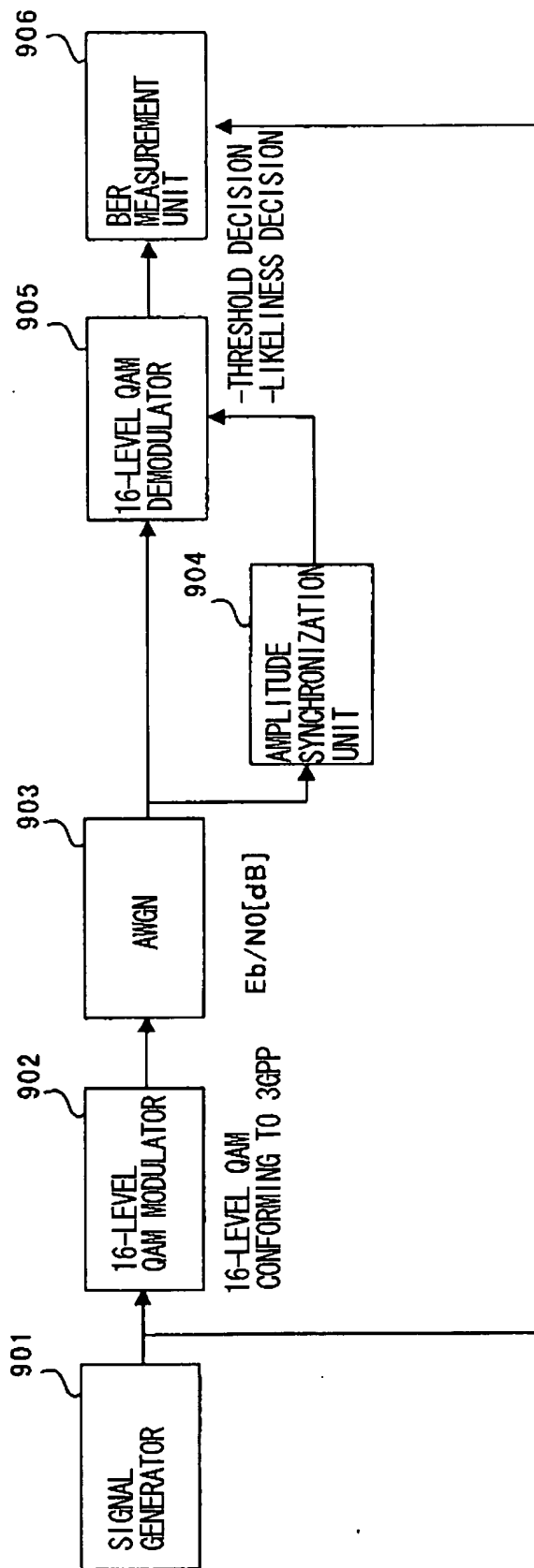


FIG . 16A

STUDIES IN 16-LEVEL QAM THRESHOLD ESTIMATING METHOD
(UNBALANCE DATA 1)

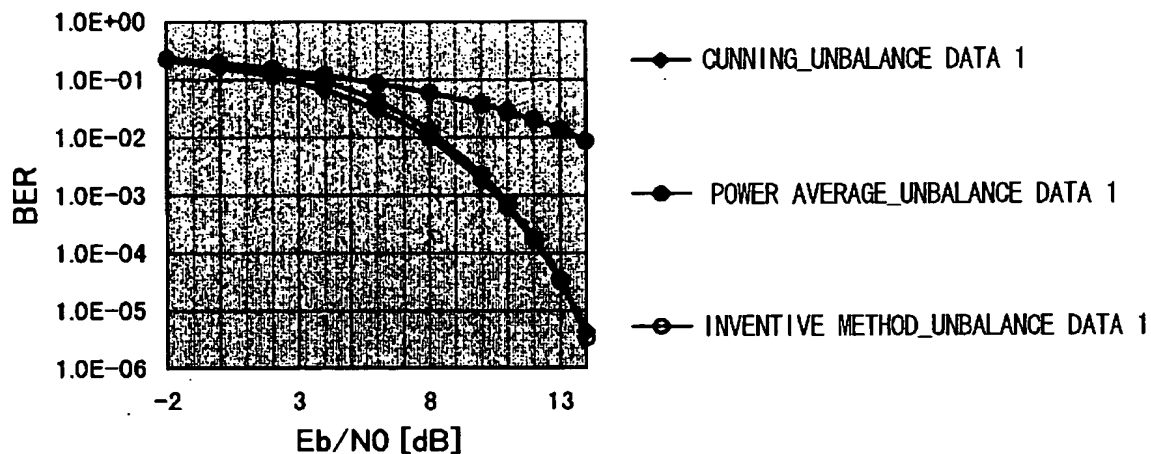


FIG . 16B

STUDIES IN 16-LEVEL QAM THRESHOLD ESTIMATING METHOD
(UNBALANCE DATA 1)

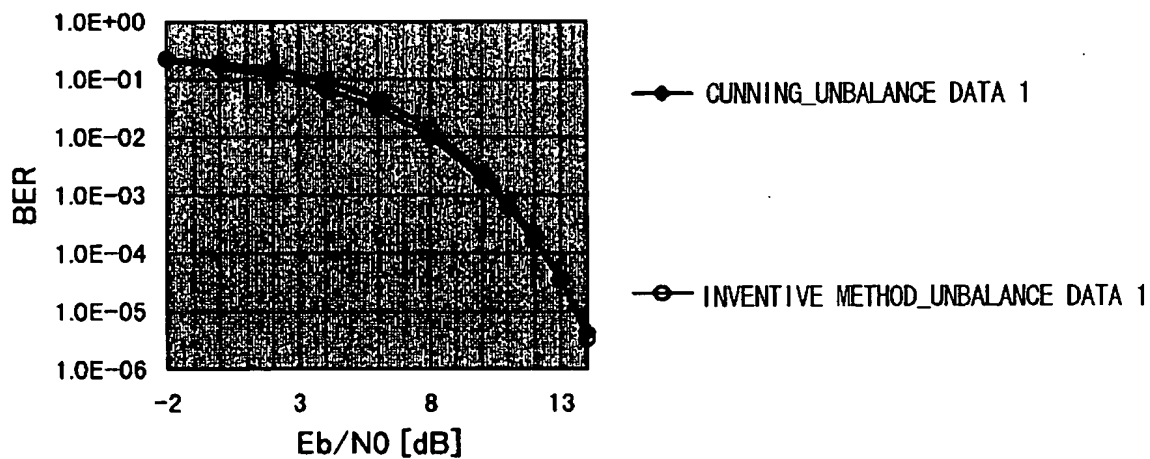


FIG. 17

